

Converting Colors

CIELCh(86, 86.757, 137.964)

Have a look what the booklet for
CIELCh(86, 86.757, 137.964)
contains.

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Color

CIELCh(86, 86.626, 137.961)

Conversions

Conversions Part 1

Format	Color
Hex	6BF361
RGB	107, 243, 97
RGB Percent	42%, 95%, 38%
CMY	0.5810, 0.0476, 0.6201
CMYK	0.56, 0.00, 0.60, 0.05
HSL	116°, 86%, 67%
HSV	116°, 60%, 95%
XYZ	40.2004, 67.9871, 22.2795
YIQ	185.6920, -34.1900, -74.2380

Conversions

Conversions Part 2

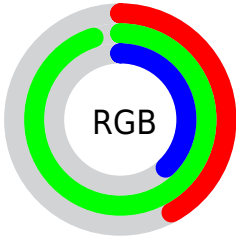
Format	Color
RYB	97, 243, 233
Decimal	7074657
CIELab	86.00, -64.34, 58.01
CIELCh	86, 86.626, 137.961
Yxy	67.9871, 0.3081, 0.5211
Android (android.graphics.Color)	4285264737 (0xFF6BF361)
YUV	185.6920, -43.7252, -69.0129
Hunter-Lab	82.4543, -57.2678, 41.6976

Details

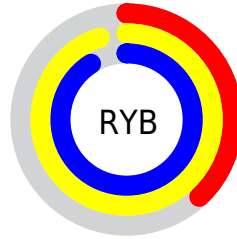
The CIELCh color **86, 86.626, 137.961** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64, 86.380, 325.335**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 60.867, 137.439**, and **66, 86.637, 137.989** is the 20% darker color. If you saturate the color by 10%, you get **85, 97.698, 137.054**, and if you desaturate by 10%, it is **87, 73.832, 138.918**.

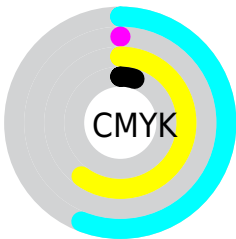
Distribution



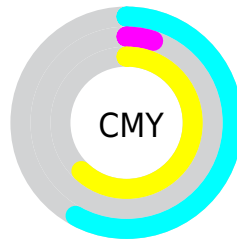
- Red (42%)
- Green (95%)
- Blue (38%)



- Red (38%)
- Yellow (95%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (60%)
- Black (5%)





- Cyan (58%)
- Magenta (5%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 86.626, 137.961 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 86, 86.626, 137.961 by changing the saturation by 10% instead.


 86, 86.626,
137.961


 86, 86.626,
137.961


 100, 86.626,
137.961


 76, 86.626,
137.961

 66, 86.626,
137.961

 56, 86.626,
137.961

 46, 86.626,
137.961

 36, 86.626,
137.961


 26, 86.626,
137.961


 16, 86.626,


137.961


 6, 86.626, 137.961


 0, 86.626, 137.961


 86, 86.626,
137.961


 86, 86.626,
137.961


 85, 97.698,
137.054


 87, 73.832,
138.918


 85, 106.407,
136.325


 88, 59.878,
139.838

 84, 112.194,
135.910

 90, 45.221,
140.677

 84, 115.088,
135.799

 92, 30.215,
141.418

 94, 15.128,

142.065

 96, 0.159, 144.357

 97, 7.567, 324.664

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86, 86.626, 137.961



64, 86.380, 325.335

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 86.626, 137.961



86, 86.626, 187.961



86, 86.626, 317.961



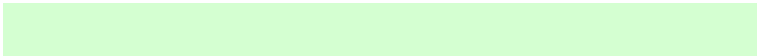
86, 86.626, 7.961

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



86, 86.627, 137.962



96, 28.116, 141.559



90, 65.939, 100.319



51, 19.551, 141.359



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 86.627, 137.962



89, 103.475, 136.884



87, 64.989, 152.800



50, 8.553, 142.103



66, 94.182, 135.731



21, 40.520, 136.372

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 86.380, 325.335



62, 102.366, 325.609



62, 66.549, 345.592



48, 8.576, 323.059



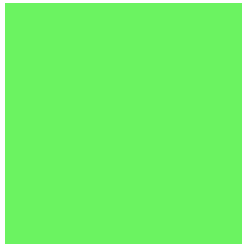
42, 91.590, 325.563



10, 40.694, 325.911

Previews

White Background



This preview shows how the CIELCh color 86, 86.626, 137.961 looks on a white background.

Color Contrast Check

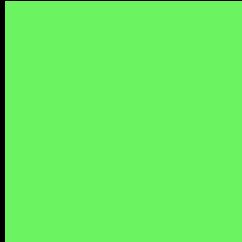
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 86, 86.626, 137.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

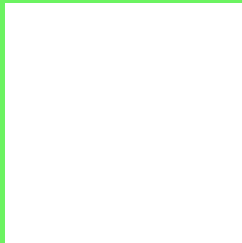
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 86.626, 137.961

Background



This preview shows how black text looks on a background with the CIELCh color 86, 86.626, 137.961.

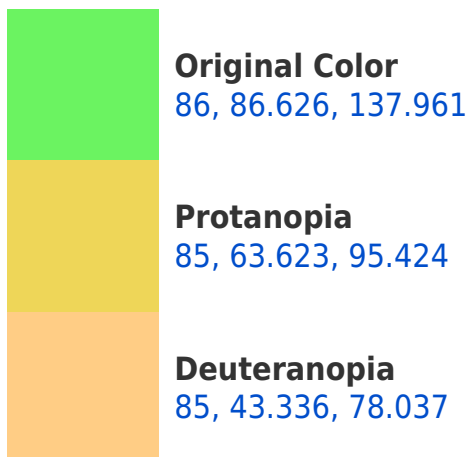


This preview shows how white text looks on a background with the CIELCh color 86, 86.626, 137.961.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



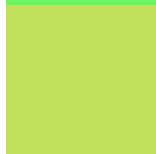


Tritanopia
86, 27.773, 217.861

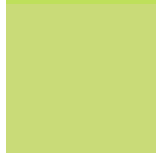
Trichromacy



Original Color
86, 86.626, 137.961



Protanomaly
84, 67.052, 116.691



Deuteranomaly
84, 50.893, 114.143



Tritanomaly
85, 41.235, 165.187

Monochromacy



Original Color
86, 86.626, 137.961



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 33.927, 141.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 86.626, 137.961 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(107, 243, 97)` looks like.

```
.text, #text, p{  
    color:rgb(107, 243, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(107, 243, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 243, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 86.626, 137.961 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 243, 97) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(107, 243, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(107, 243, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 243, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 243, 97);  
box-shadow:4px 4px 4px 4px rgb(107, 243,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 86.626, 137.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 243, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(107,  
243, 97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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